

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01246

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>																						
Int. Cl. 7: H 01 Q 3/24 H 01 Q 21/29																						
According to International Patent Classification (IPC) or to both national classification and IPC																						
<b>B. FIELDS SEARCHED</b>																						
Minimum documentation searched (classification system followed by classification symbols)																						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, KEYWORDS: Position, TDMA, Signal, Noise, Antenna, Multipath and like terms																						
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>																						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																				
X	US 2003/0086386 A1 (TILLOTSON) 8 May 2003 abstract; column 3, line 8 - column 4, line 30; column 5, lines 12-33; claims 1, 4-5, 12, 15 figure 2	1-12																				
X	US 5 648 784 A (BENEDICTO RUIZ ET AL) 15 July 1997 abstract; column 2, line 16 - column 4, line 32; column 5, lines 1-16; column 6, line 62 - column 7, line 31 claims 1, 5-7, 16-17 figures 1a, 1b, 1c, 5	1-12																				
A	WO 98/05180 A (TELEFONAKTIEBOLAGET LM ERICSSON) 5 February 1998 See whole document																					
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex																						
<p>* Special categories of cited documents:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">"A"</td> <td style="width: 15%; vertical-align: top;">document defining the general state of the art which is not considered to be of particular relevance</td> <td style="width: 15%; vertical-align: top;">"T"</td> <td style="width: 55%; vertical-align: top;">later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td style="vertical-align: top;">"E"</td> <td style="vertical-align: top;">earlier application or patent but published on or after the international filing date</td> <td style="vertical-align: top;">"X"</td> <td style="vertical-align: top;">document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td style="vertical-align: top;">"L"</td> <td style="vertical-align: top;">document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td style="vertical-align: top;">"Y"</td> <td style="vertical-align: top;">document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td style="vertical-align: top;">"O"</td> <td style="vertical-align: top;">document referring to an oral disclosure, use, exhibition or other means</td> <td style="vertical-align: top;">"&amp;"</td> <td style="vertical-align: top;">document member of the same patent family</td> </tr> <tr> <td style="vertical-align: top;">"P"</td> <td style="vertical-align: top;">document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 12 November 2003	Date of mailing of the international search report 19 NOV 2003																					
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  <b>SUNIL KAUL</b> Telephone No : (02) 6283 2182																					

**INTERNATIONAL SEARCH REPORT**

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<b>C (Continuation).</b> <b>DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
A	GB 2307142 A (MOTOROLA LTD) 14 May 1997 See whole document	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01246

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
US 20030086386			NONE			
US 5648784	FR	2690010				
WO 9805180	AU	37148/97	EP	0916229	KR	2000029674
	US	5838674				
GB 2307142						
END OF ANNEX						